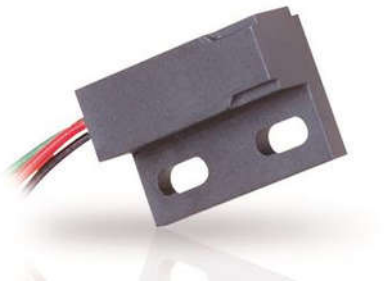
Magnetic Proximity Sensors (Reed)



MP2018 Sensors

Reed based magnetic proximity sensor
in plastic flange-mount package

Description

The MP2 Series sensors are reed position sensors. Normally open or closed contacts change states when a magnetic field is applied. The sensors act as non-latching electrical switches.

Features

- Contacts hermetically sealed for long life
- Zero power consumption
- Suitable for DC and AC circuits
- Flange mount
- RoHS compliant
- IP65
- Operate/Release Distances*: 6.35 mm – 17.8 mm (0.25” – 0.7”)

Typical Applications

- Door position & interlock
- Limit switch
- Flow/speed
- Home security
- Pedal switch

Environmental Specifications

Vibration	20 g 10 Hz to 1 kHz (MP201801) 20 g 10 Hz to 55 Hz (MP201802)
Operating Temperature	-40 °C to 105 °C (-40 °F to 221 °F)
Storage Temperature	-40 °C to 105 °C (-40 °F to 221 °F)
Ingress Protection	IP65

Electrical Specifications

Typical Operating Time	1 ms
Breakdown Voltage	200 VDC min.
Switching Voltage and Current	See Products chart
Contact Resistance and Power rating:	See Products chart

Mechanical Specifications

Housing Material	Glass-reinforced plastic
Operate/Release Distances* *with AS201801 magnetic actuator	6.35 mm – 17.8 mm (0.25” – 0.7”)

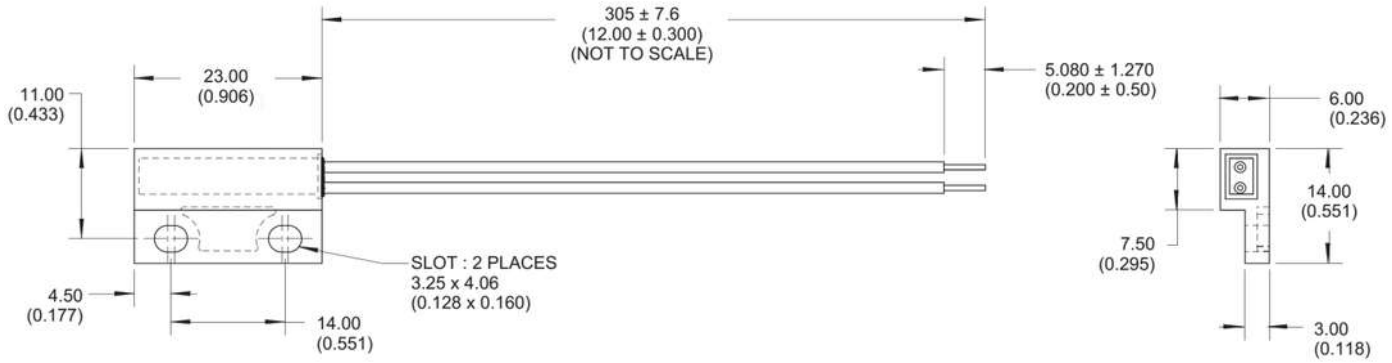
Products

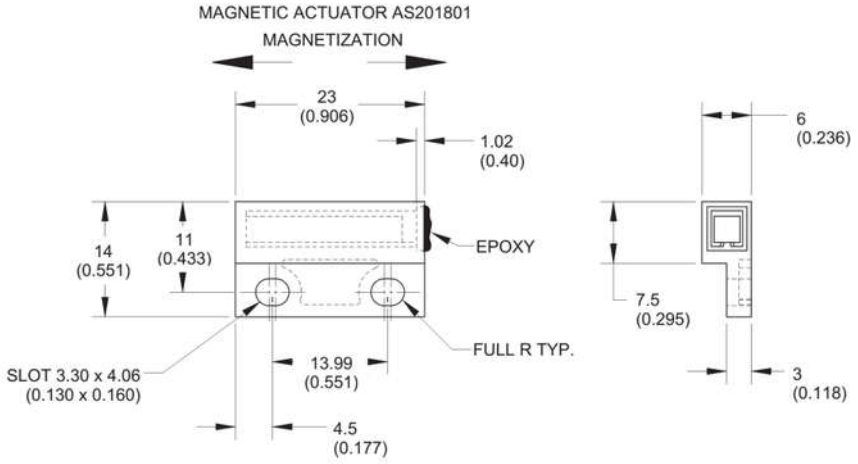
Part Number	Contact Form	Maximum Power Rating	Maximum Switching Voltage	Maximum Switching Current	Maximum Contact Resistance
MP201801	SPST-NO Form A	10 W	175 VAC/VDC	0.5 A	0.200 Ω
MP201802	SPST-NC Form B	3 W	30 VAC/VDC	0.2 A	0.100 Ω

All MP2018 sensors come with leads 24 AWG x 305 mm (12”)

Dimensions mm (inches)

MP201801 (Form A - N.O.) and MP201802 (Form B - N.C.)





ALNICO 8 MAGNET, VALOX 420 SEO CAPSULE